FAN COIL UNIT SCHEDULE

MARK	TYPE	CFM (MAX)	E.S.P.	COOLING DATA				HEATING DATA				MANUFACTURER & MODEL NO.	REMARKS
				CAPACITY (MBH)		GPM	P.D. (FT)	CAPACITY (MBH)	GPM	KW	P.D. (FT)		
				TOTAL	SENSIBLE								
FC-1.1	THIN-LINE HORIZONTAL CONCEALED	192	0.20"	4.9	4.2	1.0	2.9	12.7	1.0	-	2.0	MCQUAY #FTSH2S03	1 THRU 10, 12, 13
FC-2.1	THIN-LINE HORIZONTAL CONCEALED	263	0.20"	6.6	5.8	1.5	1.0	18.4	1.2	-	3.7	MCQUAY #FTSH2S04	1 THRU 10, 12, 13
FC-2.2	THIN-LINE HORIZONTAL CONCEALED	263	0.20"	6.6	5.8	1.5	1.0	18.4	1.2	-	3.7	MCQUAY #FTSH2S04	1 THRU 10, 12, 13
FC-2.3	THIN-LINE HORIZONTAL CONCEALED	202	0.20"	5.1	4.8	1.0	3.0	-	-	2.00	-	MCQUAY #FTSH2S04	1 THRU 8, 10, 11, 12
FC-2.4	THIN-LINE HORIZONTAL CONCEALED	408	0.30"	10.0	8.8	2.0	1.9	22.6	1.5	-	5.3	MCQUAY #FTSH2S04	1 THRU 10, 12, 13
FC-2.5	THIN-LINE HORIZONTAL CONCEALED	408	0.30"	10.0	8.8	2.0	1.9	22.6	1.5	-	5.3	MCQUAY #FTSH2S04	1 THRU 10, 12, 13
FC-3.1	THIN-LINE HORIZONTAL CONCEALED	495	0.30"	14.0	11.8	3.0	2.0	26.2	1.7	-	1.0	MCQUAY #FTSH2S06	1 THRU 10, 12, 13
FC-3.2	THIN-LINE HORIZONTAL CONCEALED	495	0.30"	14.0	11.8	3.0	2.0	26.2	1.7	-	1.0	MCQUAY #FTSH2S06	1 THRU 10, 12, 13
FC-4.1	THIN-LINE HORIZONTAL CONCEALED	905	0.30"	23.7	20.2	5.0	7.5	45.6	3.0	-	1.0	MCQUAY #FTSH2S10	1 THRU 10, 12, 13

REMARKS:
1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E0.0 FOR ELECTRICAL DATA.
2. UNIT SHALL CONSIST OF A BASE CASING AND RETURN AIR PLENUM FABRICATED OF HEAVY GAUGE GALVANIZED STEEL WITH FOUR-SIDED 3/4-INCH DUCT COLLAR FOR EASE OF CONNECTING DISCHARGE DUCTWORK. RETURN AIR PLENUM SHALL HAVE A FILTER FRAME FOR 1-INCH PLEATED DISPOSABLE FILTERS AND 1-INCH RETURN AIR DUCT COLLAR. PLENUM SHALL BE FULLY INSULATED TO PREVENT UNIT SWEATING AND ATTENUATE FAN NOISE.
3. UNIT SHALL BE INSULATED WITH 1/2" MULTI-DENSITY GLASS FIBER ON THE CABINET BOTTOM PANEL AND DISCHARGE TRANSITION BETWEEN COIL AND DISCHARGE OPENING. HIDEAWAY TSH RETURN AIR PLENUM SHALL BE INSULATED WITH 1/2" MULTI-DENSITY GLASS FIBER.
4. COILS SHALL HAVE ALUMINUM FINS WITH COPPER TUBES MECHANICALLY EXPANDED FOR A PERMANENT BOND.
5. PROVIDE PRIMARY DRAIN PAN CONSTRUCTED OF 20-GAUGE GALVANIZED STEEL, INSULATED WITH 1/4" MULTI-DENSITY CLOSED CELL INSULATION. PROVIDE SECONDARY DRAIN PAN CONSTRUCTED OF GALVANIZED STEEL WITH CONDENSATE OVERFLOW SWITCH TO SHUT DOWN UNIT.
6. PROVIDE THREE-SPEED, PERMANENT SPLIT CAPACITOR, HIGH STATIC MOTOR.
7. COOLING CAPACITY BASED ON 77° F DB/63° F WB EAT, 44° F EWT.
8. PROVIDE LEFT-HAND OR RIGHT-HAND UNITS AND SIDE OR BOTTOM FILTER ACCESS. FIELD VERIFY BEST INSTALLATION ORIENTATION.
9. PROVIDE FACTORY PIPING PACKAGE PER DETAILS 5/M4.1 & 6/M4.1 WITH HEATING WATER COIL CONNECTIONS CAPPED FOR FUTURE USE.
10. MAXIMUM DEPTH OF FAN COIL UNIT SHALL BE 10.5 INCHES.
11. PROVIDE THERMAL OVERLOAD SWITCH WITH ELECTRIC HEATING COILS.
12. COMPARABLE PRODUCTS MANUFACTURED BY CARRIER AND I.E.C. MAY BE SUBMITTED.
13. HEATING CAPACITY BASED ON 180° F EWT.

REGISTER - GRILLE - DIFFUSER SCHEDULE

MARK	FUNCTION	TYPE	CFM RANGE	MAX N.C.	SIZE (INCHES)	BORDER OR FRAME	MATERIAL		FINISH	ACCESS.	MANUFACTURER & MODEL NO.	REMARKS
							ALUM.	STEEL				
S-1	SUPPLY	SQUARE FACE NOMINAL PNL.	0 - 110	25	8" Ø NECK	24 x 24 LAY-IN		X	STND. WHITE		KRUEGER SERIES # 1400	1, 2, 3, 4, 5
S-2	SUPPLY	SQUARE FACE NOMINAL PNL.	111 - 200	25	8" Ø NECK	24 x 24 LAY-IN		X	STND. WHITE		KRUEGER SERIES # 1400	1, 2, 3, 4, 5
S-3	SUPPLY	SQUARE FACE NOMINAL PNL.	201 - 350	25	10" Ø NECK	24 x 24 LAY-IN		X	STND. WHITE		KRUEGER SERIES # 1400	1, 2, 3, 4, 5
S-4	SUPPLY	DOUBLE DEFLECTION	0 - 660	25	12 x 12	SURFACE MOUNT	X		STND. WHITE	O.B.D.	KRUEGER SERIES # 5880H	1, 2, 3, 5
R-1	RETURN	PERF. PANEL 12 x 24 FACE	0 - 600	25	6 X 18 NECK	12 x 24 LAY-IN		X	STND. WHITE	-	KRUEGER SERIES # 6490	1, 2, 3, 5
R-2	RETURN	PERF. PANEL 24 x 24 FACE	0 - 1850	25	22 x 22 NECK	24 x 24 LAY-IN	X		STND. WHITE	-	KRUEGER SERIES # 6490	1, 2, 3, 5
E-1	EXHAUST	FIXED DEFL. 35° BLADE	0 - 500	25	12 x 12	SURFACE MOUNT	X		STND. WHITE	O.B.D.	KRUEGER SERIES # S580H	1, 2, 3, 5

REMARKS:
1. PROVIDE SPECIFIC NOISE CRITERIA (NC) DATA FOR EACH LINE ITEM WITH SHOP DRAWINGS.
2. COORDINATE BORDER OR FRAME TYPE WITH CEILING TYPE.
3. COORDINATE FINISH WITH ARCHITECT.
4. PROVIDE SUPPLY AIR OUTLETS WITH INSULATED BLANKET ON BACKPAN.
5. COMPARABLE PRODUCTS MANUFACTURED BY PRICE AND METALAIRE MAY BE SUBMITTED.

FAN SCHEDULE

MARK	SERVES	TYPE	CFM	EXT. S.P.	FAN RPM	DRIVE	MAX SONES	CONTROL	MANUFACTURER & MODEL NO.	REMARKS
EF-1.1	TOILETS	INLINE CENTRIFUGAL	375	0.5	1146	DIRECT	1.1	REMARK 3	GREENHECK #CSP-A780	1, 2, 3, 4
EF-2.1	HOOD	INLINE CENTRIFUGAL	660	0.5	1588	DIRECT	2.0	WALL SWITCH	GREENHECK #CSP-A780	1, 2, 4

REMARKS:
1. SEE MECHANICAL/ELECTRIC COORDINATION SCHEDULE ON SHEET E0.0 FOR ELECTRICAL DATA.
2. PROVIDE FAN MOUNTED SPEED CONTROL FOR FAN BALANCING.
3. SEE SEQUENCE OF OPERATION ON M4.1
4. COMPARABLE PRODUCTS MANUFACTURED BY COOK AND PENNBARRY MAY BE SUBMITTED.

CABINET AND UNIT HEATER SCHEDULE (ELECTRIC)

MARK	TYPE	ARRANGEMENT	CFM	HEATING CAP. (KW)	EXT. S.P.	FAN RPM	MANUFACTURER & MODEL NO.	REMARKS
EUH-1.1	FAN FORCED WALL HEATER	SURFACE	100	1.5	---	---	QMARK AWH SERIES	1, 2, 3, 4

REMARKS:
1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E0.0 FOR ELECTRICAL DATA.
2. PROVIDE INTEGRAL THERMOSTAT AND DISCONNECT SWITCH.
3. INSTALL HEATER WITH BOTTOM OF CABINET 6-INCHES A.F.F.
4. COMPARABLE PRODUCTS MANUFACTURED BY INDEECO AND MARKEL MAY BE SUBMITTED.

ELECTRIC DUCT HEATER SCHEDULE

MARK	TYPE	ARRANGEMENT	CFM	HEATING CAP. (KW)	CONTROL	MANUFACTURER & MODEL NO.	REMARKS
EDH-1	OPEN COIL	HORIZONTAL SLIP-IN	300	2.0	SCR	INDEECO QUA	1, 2, 3, 4

REMARKS:
1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E0.0 FOR ELECTRICAL DATA.
2. PROVIDE THERMAL CUTOUTS, AIRFLOW SWITCH, CONTROL TRANSFORMER, CONTRACTORS, SCR CONTROL, AND INTEGRAL DISCONNECT SWITCH.
3. VERIFY DUCT SIZE WITH FLOOR PLANS.
4. COMPARABLE PRODUCTS MANUFACTURED BY CHROMALUX AND WARREN TECHNOLOGIES MAY BE SUBMITTED.

Revisions	Date

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Drawing Title
- MECHANICAL SCHEDULES

Approved Project Director: KEVIN HUTSELL

CONSTRUCTION DOCUMENT (CD-3) SUBMITTAL 100%
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Dwg. 20 of 26

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